

The Kingdom of Saudi Arabia

Upcoming Potential Work

Presented by:

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Middle East District

October 2014



US Army Corps
of Engineers®



AGENDA

- Overview of Foreign Military Sales to Saudi Arabia
- History of USACE in Saudi Arabia
- USACE Program Management
- USACE Current Workload
- USACE Potential Workload



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Security Cooperation

- For decades, security cooperation has served as the cornerstone of the US relationship with Saudi and continue to work closely together to contend with violent extremist groups, proliferation of WMDs, humanitarian crisis emanating from Syria and other challenges threatening regional security including ISIS and Iran. The USG is dedicated to support Saudi in enhancing its defense capabilities to deter hostile actions, increase US-Saudi interoperability to positively impact security and stability in the region as well as the global economy.
- The United States sold more than \$80 billion in military hardware between 1951–2006 to the Saudi military.



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Major USG FMS Sales to Saudi 2010-2014



Major USA-Saudi Arms Sales, 2010 - 2014

<http://www.defenseindustrydaily.com>

Platform	Progress	Notes
Air Force		
154 F-15SA Strike Eagle fighters: 84 new, 70 upgrades.		84 new F-15SA ordered March 2012. LoA signed for 70 upgraded F-15S -> F-15SA in Dec. 2011. Has also ordered: • DEWS Electronic Warfare systems • AAQ-33 Sniper surveillance & targeting pods • AAS-42 Tiger Eyes IRST pods • LANTIRN navigation pods • DB-110 recon pods (incl. early integration) • ARC-210 radios • More AIM-9X Sidewinder missiles for their F-15s.
Training		Joint Threat Emitter order in Sept 2013 will give RSAF the ability to train against more realistic air defense threats.
Long-range precision strike weapons		October 2013 DSCA request finally cleared the way for Harpoon Block II and longer-range SLAM-ER cruise missiles, along with shorter-range AGM-154C JSOW glide bombs & GBU-39 SDB-Is.
Air & Missile Defense		
PATRIOT PAC-3/ Config 3 upgrade		Major contract signed June 2011. Using Direct Commercial Sale process, not FMS.
Land Forces		
LAV wheeled APCs, Army & SANG		Numerous requests by the SANG and regular military since 2006, amounting to almost 1,000 vehicles. A \$2.2 billion LAV contract in Nov. 2009, and a \$10-13 billion contract in Feb. 2014, should cover all of those requests and more, plus support until 2028.
12 MD-530F light helicopters, SANG		Contract signed July 2012.
36 AH-6i Armed Reconnaissance Helicopters, SANG		Letter of Agreement for 36 reportedly signed in early 2012. No confirmation, but very probably a contract.
70 AH-64D Longbow Block III attack helicopters: Royal Guard, Army, SANG.		Contracts began May 2012, but seems to be just a partial order. MTADS/PNVS and Longbow sensors ordered.
72 UH-60M Black Hawk utility helicopter, SANG		Oct. 2010 DSCA request, partial orders began in late 2013. The Saudis already operate other UH-60/S-70 models.
15,000+ TOW anti-armor missiles, SANG/ Army		December 2013 requests from the RSLF (1,750) and SANG (13,935). Saudi Arabia already uses TOW, but this scale is new.
Artillery: 54 M119A2 105mm, 36 M777A2 155mm, TPQ-36V Firefinder radars.		Sept. 2011 DSCA request, no reports yet. The Saudis did buy modern mobile CAESAR 155mm artillery systems from France.
Naval		
Full naval C4I system		November 2013 DSCA request, direct purchases from US gov't unlikely to ever be publicly announced.
Mark V Patrol Boats		July 2013 DSCA request, no reports yet.
Littoral Combat Ship		No DSCA request yet, may be passed over for more capable ships.
Defense Industry Daily, 2014		Source: Ongoing DID coverage of major Saudi arms sales



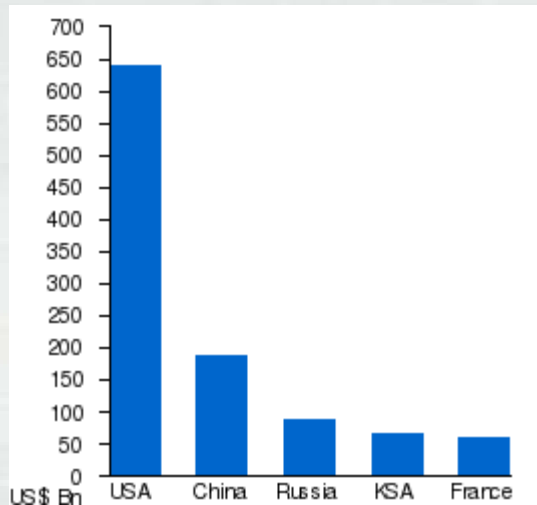
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Current Military Spending Trends in Saudi

- Middle Eastern nations increased their military expenditure by billions of dollars last year, with Saudi Arabia's budget now the fourth largest in the world, with its military equipment being supplied primarily by the US, France and Britain.
- The Kingdom spent \$67bn last year (representing about 9 percent of its gross domestic product in 2013), a 14 percent increase on 2012, meaning it leapfrogged the UK, Japan and France in budget terms.



Rank	Country	Spending (\$B)	% of GDP	World share (%)
	World total	1747.0	2.4	100
1	United States	 640.0	3.8	36.6
2	China^[a]	 188.0	2.0	10.8
3	Russia^[a]	 87.8	4.1	5.0
4	Saudi Arabia^[b]	 67.0	9.3	3.8
5	France	 61.2	2.2	3.5
6	United Kingdom	 57.9	2.3	3.3



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USACE History in Saudi Arabia

- 1950's the Corps was responsible for the expansion of the airfield in Dhahran for the US Air Force



Aerial view of the Dhahran airfield looking south, September 1954.



USACE History in Saudi Arabia

- 1950's and 60's the Corps built a new civil air terminal in Dhahran and a training school for the Royal Saudi Air Force in Riyadh.



South face of the Dhahran Civil Air Terminal under construction,
January 1961

- USACE also established a nationwide television system for the Saudi Ministry of Information (MOI).



Television studio building in Dammam,
ca. 1968



USACE History in Saudi Arabia

- Engineer Assistance Agreement with the Ministry of Defense and Aviation (MODA) signed in 1965 to assist the Saudis in modernization of their military including the construction of military cantonments, new medical facilities, military academies, and support of the Saudi Arabia Mobility Program (SAMP).



Saudi Arabia District Office, Riyadh, 1969



Aircraft belonging to the Mediterranean Division,
1968

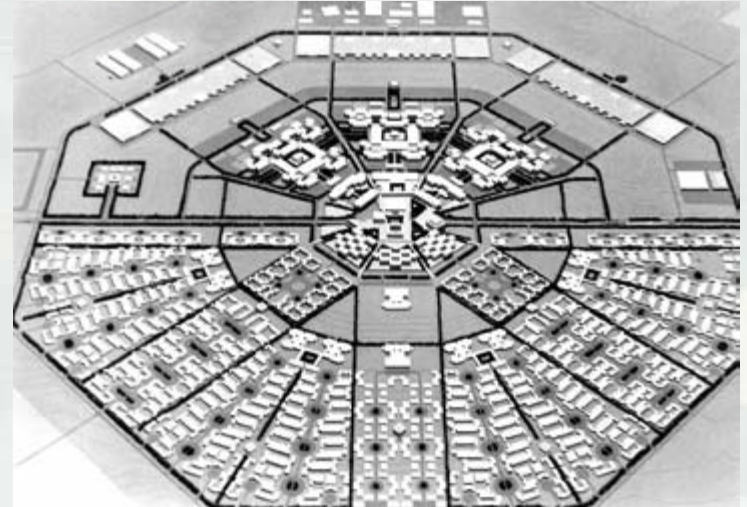


USACE History in Saudi Arabia

- Sample USACE projects for MODA



Headquarters, Ministry of Defense and Aviation,
Riyadh, June 1986



Model of King Khalid Military City



Parade ground at King
Abdulaziz Military
Academy, mid-1980s



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USACE History in Saudi Arabia

- In 1972, the governments of the US and Saudi Arabia signed a memorandum of understanding that initiated the Saudi Naval Expansion Program (SNEP). USACE undertook to design and construct deepwater naval ports at Jiddah on the Red Sea and at Jubayl on the Arabian Gulf.



Pier piles at King Abdulaziz Naval Base, Jubayl, June 1978



USACE History in Saudi Arabia

- In 1973, the United States and Saudi Arabia signed a memorandum of understanding for the modernization of the Saudi Arabian National Guard (SANG). The managed the planning, design, and construction of facilities.



Construction of the Saudi Arabian National Guard headquarters using precast concrete, August 1978



Model of the Saudi Arabian National Guard headquarters



Saudi Program Management Team

Executive Staff:

- COL Vincent Quarles-Commander/District Engineer
- Mr. Thomas Waters-Deputy-Programs and Project Management

Project Management

- Jason Thomas, Acting Branch Chief-Program Manager
- John Philpott, Account Manager/Project Manager
- CPT Nathan Branen-PM Forward-RSAF
- CPT John Gillmore-PM-Forward-GDMW
- Mr. Bill Ryals-Project Manager
- Mr. Patrick Tilque-Project Manager

Construction

- Duane Crowe-Construction Manager
- Jim Wang-Project Engineer Forward

Engineering and Design

- Steve Patton-Design Manager
- Steve Franz-Technical Coordinator

Construction Contracting

- Christina Loy, Contracting Officer, Construction
- Dan Hanas, Contracting Officer, Construction
- Lana Birdsell, Contracting Officer , Services
- Maria Martin, Contracting Officer, Construction
- Brian Wing, Contracting Officer, Architect-Engineer Services

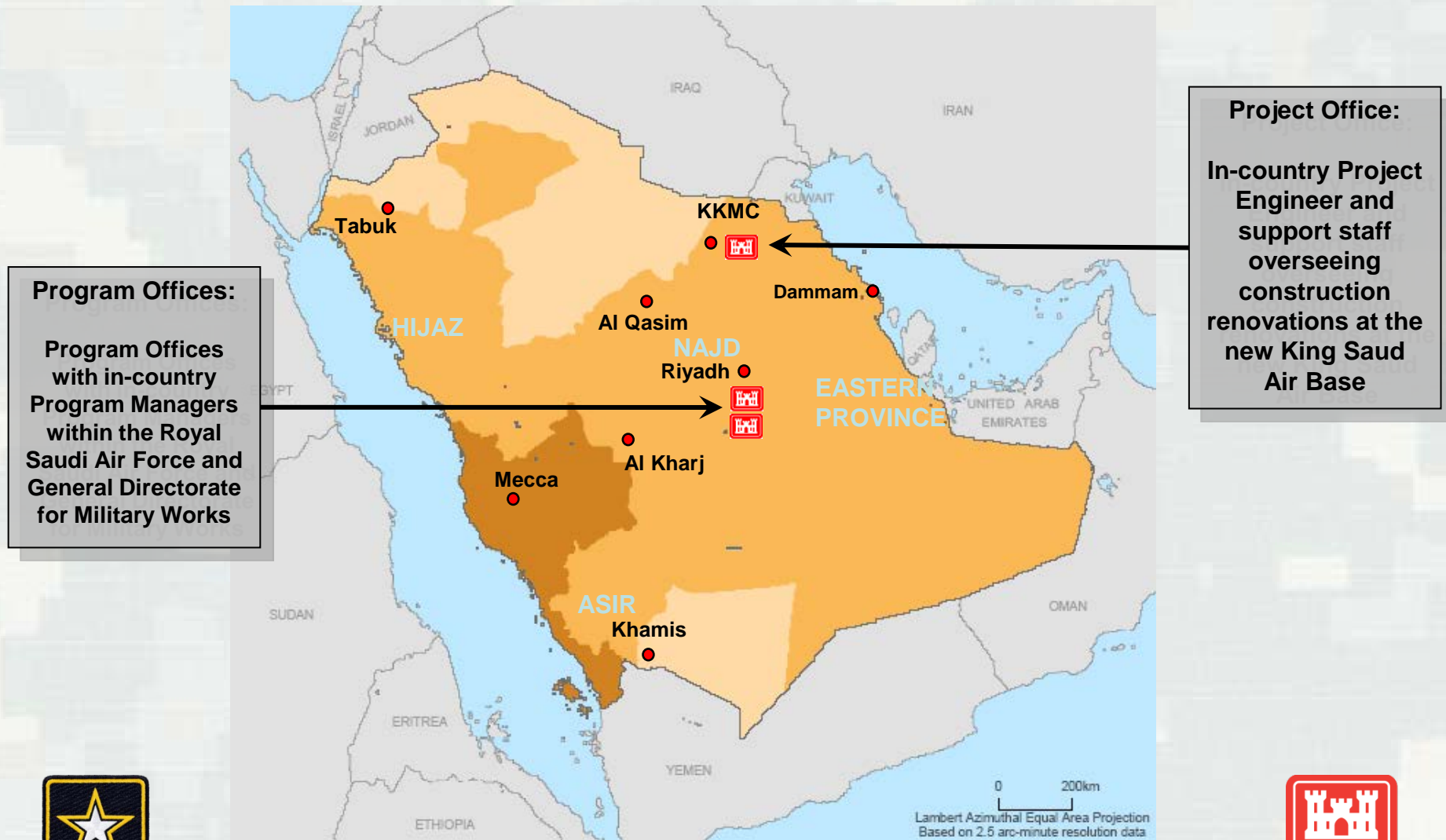


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USACE Current Presence in Saudi Arabia



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USACE Current Workload

- New King Saud Air Base (KSAB) \$ 40.0 M
- AH-64 APACHE Longbow Helicopters \$ 206.5M
- Royal Saudi Navy Support Case \$ 0.3M
- GDMW Works Support Case \$ 9.1M

Total Current Workload \$ 255.9M

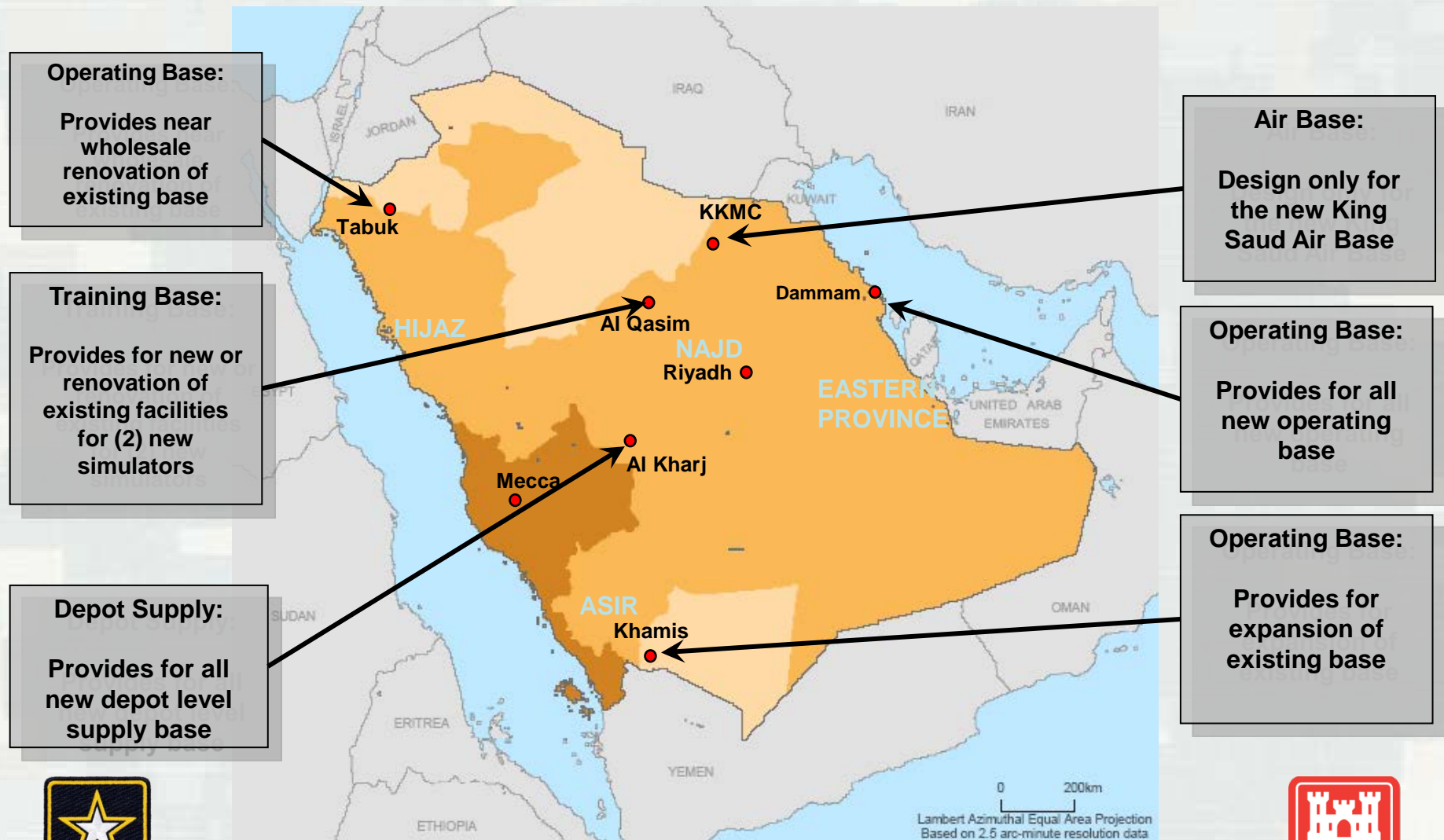


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USACE Current Workload in Saudi Arabia

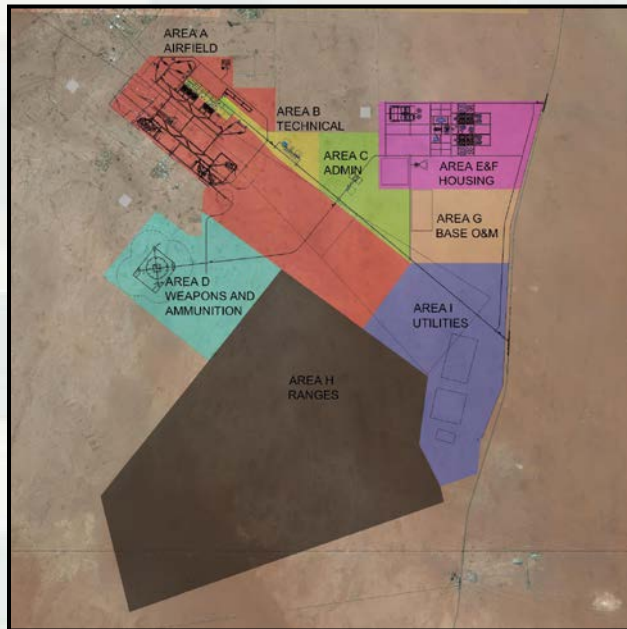


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Support of the Royal Saudi Air Force

- USACE has been authorized to develop the Master Plan for the new King Saud Air Base (KSAB) including base layouts, facility requirements, zoning, narratives, construction schedule and phasing plans, cost estimates, topo and geotech surveys in support of two F-15SA and one Typhoon squadron.



KSAB Concept Plan

- USACE has also been authorized to perform minor renovations to existing base facilities at KKMC.



Barracks and Admin buildings to be renovated



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Support of the Royal Saudi Land Forces

- Support for RSLFAC requirements including construction and renovation at various locations within the kingdom-includes new bases and augmentation/renovation at existing bases for AH-64D Block III APACHE Longbow Helicopters.



AH-64D APACHE Longbow



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Support of the General Directorate of Military Works

- New case provides support to the GDMW in the form of training, procurement, design and construction. The scope of services has not been determined but expected to be developed jointly with GDMW and implemented in early FY15.



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Support of the Royal Saudi Navy

- Continued coordination with the Royal Saudi Navy and the US Navy IPO in developing the FMS case for the design, construction and infrastructure development to support new Eastern Fleet at Port of Jubail and legacy fleet, Ras Al Misab, Ras Al Ghar, Airfield at Royal Commission, and Harpoon Facility at Al Kharj.



King Abdulaziz Naval Base
(KANB), Jubail



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USACE Potential Workload

Highly Likely

- Full Design of the King Saud Air Base (KSAB) \$ 60.0M
- Design and Construction Services for GDMW \$ XX.XM

Potential

- Construction of KSAB \$ 3.8B
- THAAD Missile Tactical Sites \$ 700M

Future

- Relocation of Eskin Village \$ 700M
- Saudi Naval Expansion Program \$ 4.5B



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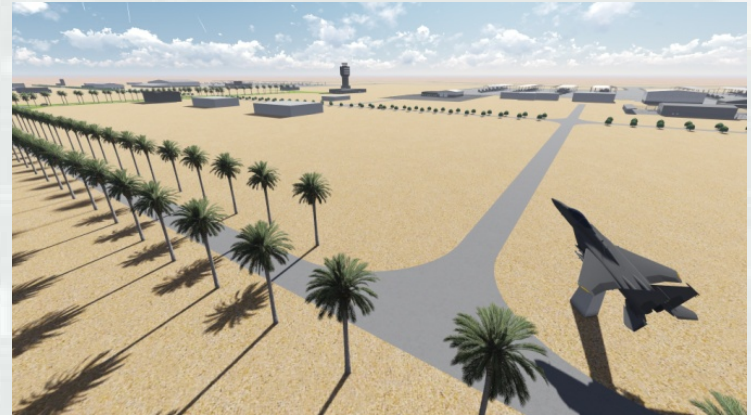
Potential Support to the Royal Saudi Air Force

- USACE is currently in negotiations with the Royal Saudi Air Force (RSAF) for the full design and potential early start construction works of the new King Saud Air Base which expected to commence in October of this year.



F-15SA

- USACE is standing by to support RSAF in the case some or all construction services are required in support of KSAB.



KSAB Concept Rendering



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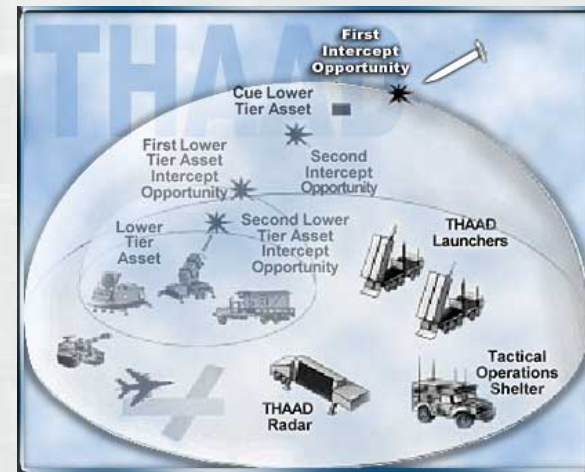
Potential Support of the Royal Saudi Air Defense

- The USG Missile Defense Agency is in discussions with Saudi Arabia for the purchase of a THAAD missile system. Similar to what is being done in the UAE and Qatar, it is expected that the system will be supported by fixed tactical sites.



THAAD missile launch

- Potential FY15 start of a technical requirements development case for feasibility studies and site selection surveys.



THAAD Protective Dome



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Potential Support of the Royal Saudi Navy

- The RSNF is currently working an initiative called the Saudi Naval Expansion Program (SNEP II), to replace its aging and outdated U.S.-built ships in their eastern fleet, home-ported in Jubail. This massive purchase could include destroyers, patrol craft, helicopters, ground vehicles and other platforms, as well as warehouses and substantial upgrades to port infrastructure. The requirements are still being developed, but recent estimates values the overall program at around \$20B.



Lockheed Littoral Combat Ship



Naval C4I System



General Dynamics Group DDG-51 Class Destroyer



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Potential Support to USMTM

- The US Military Training Mission (USMTM) to Saudi Arabia has currently outgrown its accommodations at Eskan Village Air Base outside of Riyadh. Originally built by the Saudis in 1983 to house various Bedouin tribes, the government of Saudi Arabia authorized the use of the village for deployed US service members in 1990. New real estate is currently being sought after for relocation of USMTM and other USG agency operations in the Kingdom.



Eskan Village Air Base, Riyadh



Villas at Eskan Village



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Closing Remarks

- Because the Saudis have long-standing relationships with America and its defense firms, and in the wake of current events in the region, foreign military sales to Saudi are projected to continue.
- USACE hasn't had a permanent presence in Saudi since the late 1980s, but the relationship that began in the 50's is beginning to grow once again. Recent successes in USACE's support to RSLFAC is beginning to bear fruit causing this program to grow and new work emerge.
- The future of USACE's involvement in the Kingdom hinges on how well it executes it's current programs with RSAF and it's upcoming support of GDMW.



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